



Environment Monitoring Report

February 2017

EPA Licence number: 1511

PO Box 123
Bega NSW 2550
Australia
Reception Ph: +61-2-6491 7777
Environment Line Ph: +61-2-6491 7691

Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency	
Air	EPA 12-Air emissions monitoring, back up boiler PPU				0.35 g/m3	Yearly	
		Lab report number					
		Sampled date					
		Lab received date					
		Report received date					
	Summary		Testing is conducted yearly and is not required this month				
	EPA 22-Air emissions monitoring, main boiler PPU					0.35 g/m3	Yearly
		Lab report number					
		Sampled date					
		Lab received date					
Report received date							
Summary		Testing is conducted yearly and is not required this month					



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency	
Air	EPA 24 - Air emissions monitoring, gas boiler stack DPU				0.35 g/m3	Yearly	
		Lab report number					
		Sampled date					
		Lab received date					
		Report received date					
	Summary		Testing is conducted yearly and is not required this month				
	EPA 7- Air emissions monitoring, DPU boiler Stack					0.25 g/m3	Yearly
		Lab report number					
		Sampled date					
		Lab received date					
Report received date							
Summary		Testing is conducted yearly and is not required this month					



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Air	EPA 8-Air emissions monitoring, Whey plant stack DPU				0.25 g/m3	Special frequency 2
		Lab report number				
		Sampled date				
		Lab received date				
		Report received date				
<p><u>Summary</u> Testing is conducted yearly and is not required this month</p>						



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency	
Noise	L3.2 - Noise emissions during night time (10pm to 7am) at the most affected residential property				LA10(15 minutes) 45dB (A)	Yearly	
		Noise	47	dB(A)			
		Lab report number	171000				
		Sampled date	17/02/2017				
		Report received date	2/03/2017				
	Summary						
	Result is compliant. The Industrial Noise Policy tolerance is +2 dB.						
		L3.3 - Noise emissions during day time at the most affected residential property				LA1(15 minute) 53 dB (A)	Yearly
			Noise	47	dB(A)		
			Lab report number	17100			
Sampled date			28/02/2017				
Report received date			2/03/2017				
Summary							



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency	
Water & Land	EPA 1 – Volume monitoring from DPU to utilisation areas - The Ranch, Wet Weather Storage Dam, Angeldale Apps Farm West, Apps Farm East, Apps Flat, Rockleigh, Ubrihien & Factory Flats				none	Daily	
		Irrigation Days	28				
		Volume (Average)	1224	kL/day			
		Volume (Min-Max)	812 - 1432	kL/day			
		Sampled date	28/02/2017				
	<u>Summary</u>						
	EPA 23-Environmental monitoring subsurface drainage sump at WWSD					none	Quarterly
		Lab report number					
		Sampled date	28/02/2017				
		Lab received date					
Report received date							
<u>Summary</u>							
Sample not tested due to insufficient water in the bore							



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 25 - 'Control' Groundwater monitoring point at corner of Daisy Hill & Buckajo Rd				none	Quarterly
		Conductivity	800	µS/cm		
		Depth	2.75	m		
		Nitrate	0.03	mg/L		
		Nitrogen (total)	0.94	mg/L		
		Phosphorus (total)	0.041	mg/L		
		PH	6.5			
		Available phosphorus	0.007	mg/L		
		Lab report number	N066017			
		Sampled date	27/02/2017			
		Lab received date	28/02/2017			
		Report received date	7/03/2017			
		<u>Summary</u>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 26 - Groundwater monitoring point at 'The Ranch' fenceline				none	Quarterly
		Conductivity	1300	µS/cm		
		Depth	4.65	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	0.48	mg/L		
		Phosphorus (total)	0.051	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N066017			
		Sampled date	27/02/2017			
		Lab received date	28/02/2017			
		Report received date	7/03/2017			
		<u>Summary</u>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 27 - Groundwater monitoring point at Bega River crossing, Factory Flats				none	Quarterly
		Conductivity	880	µS/cm		
		Depth	5.15	m		
		Nitrate	0.14	mg/L		
		Nitrogen (total)	0.71	mg/L		
		Phosphorus (total)	0.029	mg/L		
		PH	6.5			
		Available phosphorus	0.004	mg/L		
		Lab report number	N066017			
		Sampled date	27/02/2017			
		Lab received date	28/02/2017			
		Report received date	7/03/2017			
		<u>Summary</u>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 28 - Groundwater monitoring point at Apps Farm near bridge				none	Quarterly
		Conductivity	840	µS/cm		
		Depth	5.10	m		
		Nitrate	0.02	mg/L		
		Nitrogen (total)	1.9	mg/L		
		Phosphorus (total)	0.2	mg/L		
		PH	6.7			
		Available phosphorus	0.005	mg/L		
		Lab report number	N066017			
		Sampled date	27/02/2017			
		Lab received date	28/02/2017			
		Report received date	7/03/2017			
		<u>Summary</u>				



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Water & Land	EPA 29 - Groundwater monitoring point at Apps Farm, east river flats				none	Quarterly
		Conductivity	1100	µS/cm		
		Depth	6.40	m		
		Nitrate	0.05	mg/L		
		Nitrogen (total)	1.4	mg/L		
		Phosphorus (total)	0.18	mg/L		
		PH	6.4			
		Available phosphorus	0.004	mg/L		
		Lab report number	N066017			
		Sampled date	27/02/2017			
		Lab received date	28/02/2017			
		Report received date	7/03/2017			
		<u>Summary</u>				



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 30 - Groundwater monitoring point at Apps/Ubrihien farm south				none	Quarterly
		Conductivity	350	µS/cm		
		Depth	5.90	m		
		Nitrate	0.01	mg/L		
		Nitrogen (total)	1.3	mg/L		
		Phosphorus (total)	0.006	mg/L		
		PH	6.3			
		Available phosphorus	0.004	mg/L		
		Lab report number	N066017			
		Sampled date	27/02/2017			
		Lab received date	28/02/2017			
		Report received date	7/03/2017			
		<u>Summary</u>				



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Water & Land	EPA 31 - 'Control' Groundwater monitoring point at Ubrihien farm west				none	Quarterly
		Lab report number				
		Sampled date	28/02/2017			
		Lab received date				
		Report received date				
		Summary		Sample not tested due to insufficient water in the bore		



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Monitoring Type	Monitoring Point	Pollutant	Measurements	Unit	Limit	Frequency
Water & Land	EPA 5-Effluent quality monitoring, DPU holding tanks 1 & 2				none	Monthly
		Biochemical oxygen demand	1450	mg/L		
		Conductivity	3809	µS/cm		
		Faecal coliforms	160900000	cfu/100 ml		
		Nitrate	1	mg/L		
		Nitrogen (total)	99	mg/L		
		Phosphorus (total)	43	mg/L		
		Sodium	665	mg/L		
		Sodium adsorption ratio	25			
		Total suspended solids	860	mg/L		
		PH	7.74			
		Lab report number	N066749			
		Sampled date	28/02/2017			
		Lab received date	2/03/2017			
		Report received date	14/03/2017			
Summary						



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Water & Land	EPA 6-Effluent quality & discharge volume monitoring from WWSD holding tank to utilisation areas 'The Ranch' and 'Grevillea'				none	Special frequency 1
		Lab report number				
		Sampled date	28/02/2017			
		Lab received date				
		Report received date				
		<u>Summary</u>		No discharge during February		



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Glossary

Abbreviation	Description
DPU	Dairy Processing Unit, Lagoon St
Lab	Laboratory
PPU	Processing & Packaging Plant, Ridge St
special frequency 1	Monthly sampling during discharge from point 6 during any month that discharge occurs
special frequency 2	Annual sampling of two samples: sample 1 collected no more than 1 hour before the stack is washed, and sample 2 collected no more than 1 hour after the stack is washed.
WWSD	Wet weather storage dam